



Setting-up your computer to run SPARS Web

- For Facility Administrators and/or IT Personnel

3.1 Hardware & Software Requirements

The minimum and optimal requirements for hardware and software used to run SPARS Web are given below.

Platform	Minimum Requirements to Run SPARS Web Enabled Application	Recommended Requirements to Run SPARS Web Enabled Application
CPU	Pentium-class processor – 1 GHz or faster	Pentium-class processor – 1.8 GHz or faster
Memory	128 MB	512 MB
Disk	10 GB	20 GB
Network	56k dial-up connection to Internet	Broadband connection to Internet
Operating System	Windows 2000 (any edition), or Windows XP (any edition), or Windows Server 2003 (any edition)	Windows 2000 (any edition), or Windows XP (any edition), or Windows Server 2003 (any edition)
Software	Microsoft Internet Explorer 6.0 SP1 or SP2, Internet Explorer 7.0 Sybase Appeon ActiveX Accelerator (automatically downloaded to the client browser when running the SPARS web enabled application)	Microsoft Internet Explorer 6.0 SP1 or SP2, Internet Explorer 7.0 Sybase Appeon ActiveX Accelerator (automatically downloaded to the client browser when running the SPARS web enabled application) Adobe Acrobat Reader 6.0 (for viewing printed PDF DataWindows or reports)

3.2 Computer Settings

Before running the SPARS Web application in your computer for the first time, the following instructions must be completed. After this, the SPARS Web application can be run by simply clicking on its link and logging on.

3.2.1 Adjust Display Settings

Set the desktop display to 1024 X 768.

If your display is not set to 1024 X 768, follow these instructions:

1. Right-click inside the Windows desktop and select **Properties**.
2. Select the **Settings** tab.
3. Note your current Screen Area setting in case you need to reset it later.
4. Move the Screen Area slide bar to 1024 X 768
5. Click **Apply**. The screen will be reset.
6. Click **Accept**.
7. Click **OK**.

3.2.2 Temporary Internet Files and Caching

◆ **You must delete all temporary files stored in the Internet Explorer cache:**

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **General** tab.
4. Depending on the Internet Explorer version that you have, do the following:
 - Internet Explorer 6.0:
 - Click **Delete Files...** in the **Temporary Internet Files** section
 - Internet Explorer 7.0:
 - Click **Delete...** in the **Browsing History** section
 - Click **Delete Files...** in the **Temporary Internet Files** section
5. Click **OK**.

♦ **Verify settings for temporary internet files within Internet Explorer and set up file caching:**

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Advanced** tab. Scroll down to the Security section and ensure that **Empty Temporary Internet Files folder when browser is closed** option is **NOT** checked.
4. Select the **General** tab.
5. Depending on the Internet Explorer version that you have, do the following:
 - Internet Explorer 6.0:
 - Click **Settings...** in the **Temporary Internet Files** section
 - Select the **Automatically** button to check for newer versions of stored pages
 - Internet Explorer 7.0:
 - Click **Settings...** in the **Browsing History** section
 - Select the **Automatically** button to check for newer versions of stored pages
6. Verify the **Amount of Disk Space to Use** is set to no less than 200MB.
7. Click **OK**.

3.2.3 If Running SPARS Web via a Proxy Server

If you are running SPARS Web through a Proxy Server you must ensure that the Advanced Setting **HTTP 1.1 through proxy connections** remains enabled.

Note: *These instructions are only necessary if a Proxy Server is used.*

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Advanced** tab.
4. Scroll down to the **HTTP 1.1 Settings** section.
5. Select **Use HTTP 1.1** if it is not currently selected.
6. Select **Use HTTP 1.1 through proxy connections** if it is not currently selected.
7. Click **Apply** and then **OK**.

3.2.4 Internet Security Settings

In order for SPARS Web to be set up on your machine, you must make sure your internet security is set correctly. SPARS Web uses a version of Appeon (5.0 Xcelerator) and other functions that require specific security settings.

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Internet**.
5. Click **Custom Level...** at the bottom of the box.
6. The following settings must be in place to set up SPARS Web. Your computer might already have these selections in place, depending on the security level that you have set. Additionally, these options may or may not be available to you depending on the Internet Explorer version or Service Pack that you have:
 - Download signed ActiveX controls – select **Enable**
 - Download unsigned ActiveX controls – select **Prompt**
 - Initialize and script ActiveX controls not marked as safe - select **Prompt**
 - Run ActiveX controls and plug-ins – select **Enable**
 - Script ActiveX controls marked safe for scripting – select **Enable**
 - File download – select **Enable**
 - Active scripting – select **Enable**
 - Internet Explorer 6.0:
 - Allow paste operations via script – select **Enable**
 - Allow active content to run in files on My Computer – select **Enable**
 - Internet Explorer 7.0:
 - Allow websites to prompt for information using scripted windows – select **Enable**
7. Click **OK** when the new security settings have been selected. These settings will be adjusted after Appeon is installed in your computer (Section 3.3.2).

3.2.5 Check Version of Jscript.dll

You must make sure that the version of Jscript.dll on your PC is the correct version.

1. In Windows Explorer open the \WINNT\system32 folder.
2. Scroll down and locate the jscript.dll file.
3. Right-click on this file name and select **Properties**.
4. Select the **Version** tab. The version must be at least 5.6.x.xxxx. If the version number is older than 5.6.x.xxxx (a smaller number), download the newer version at:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=c717d943-7e4b-4622-86eb-95a22b832caa&DisplayLang=en>

3.2.6 Disable Internet Anti-Popup/Anti-Virus Software

In order to have Appeon correctly installed in your computer, anti-popup software must be disabled. After installation, the anti-popup software can be enabled. Additionally, it is recommended that your anti-virus software be temporarily disabled until you have completed the SPARS installation. Once you have completed the installation, the anti-virus software may be enabled.

3.3 Final SPARS Web Setup

3.3.1 Installing Appeon

1. Open Internet Explorer.
2. On the web browser, type this address:
<http://aq48.dnraq.state.ia.us/spars>
3. If the download does not automatically start, you should be directed to a page to manually install the application. You may need administrator rights on your computer to install the Java applet needed to connect you to SPARS Web.
4. When prompted, choose the following:
 - o Install ActiveX
 - o Trust this site
 - o Always allow popups from this site
5. When the installation is complete, close Internet Explorer.

3.3.2 Adjusting Internet Security Settings

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Internet**.
5. Click **Custom Level...** at the bottom of the box.
6. Make the following security setting selections:
 - Download signed ActiveX controls – select **Prompt**
 - Download unsigned ActiveX controls – select **Disable**
 - Initialize and script ActiveX controls not marked as safe – select **Disable**
 - Run ActiveX controls and plug-ins – select **Enable**
 - Script ActiveX controls marked safe for scripting – select **Enable**
 - File download – select **Enable**
 - Active scripting – select **Enable**
 - Allow paste operations via script – select **Enable**
 - Allow active content to run in files on My Computer – select **Enable**
7. Click **OK** when the new security settings have been selected and then click **Yes** to accept the new settings.
8. Close Internet Explorer.

3.4 Additional Information

Try the following if you experience problems running or installing SPARS:

3.4.1 Trusted Sites Settings

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.
4. In the Web Content Zone area, select **Trusted Sites**.
5. Click the **Sites** button.
6. Make sure that the following web addresses are included in your Websites box:
 - o http://*.aq41.dnraq.state.ia.us
 - o <http://aq41.dnraq.state.ia.us>
7. If they are not, you must add them to your **Trusted Sites**:
 - o First, make sure that '**Require server verification (https) for all sites in this zone**' is not checked. Uncheck this field if necessary.
 - o For each of the above web addresses, do the following (one address at a time):
 - Type the web address in '**Add this website to the zone**' field.
 - Click the **Add** button.
8. When all the web addresses have been added, click the **Close** button.

3.4.2 Trusted Sites Security Settings

You must make sure that your **Trusted Sites** security is set correctly. SPARS Web uses a version of Apeon (5.0 Xcelerator) and other functions that require specific security settings.

1. Open Internet Explorer.
2. Select **Internet Options** on the **Tools** menu.
3. Select the **Security** tab.

4. In the Web Content Zone area, select **Trusted Sites**.
5. Click **Custom Level...** at the bottom of the box.
6. If available, make sure the following settings are selected. Your computer might already have these selections in place, depending on the security level that you have set. Additionally, these options may or may not be available to you depending on the Internet Explorer version or Service Pack that you have:
 - Download signed ActiveX controls – select **Enable**
 - Download unsigned ActiveX controls – select **Prompt**
 - Initialize and script ActiveX controls not marked as safe - select **Prompt**
 - Run ActiveX controls and plug-ins – select **Enable**
 - Script ActiveX controls marked safe for scripting – select **Enable**
 - File download – select **Enable**
 - Active scripting – select **Enable**
 - Internet Explorer 6.0:
 - Allow paste operations via script – select **Enable**
 - Allow active content to run in files on My Computer – select **Enable**
 - Internet Explorer 7.0:
 - Allow websites to prompt for information using scripted windows – select **Enable**
7. Click OK when the new security settings have been selected.